

Converting Colors

CIELCh(80, 19.225, 162.459)

Have a look what the booklet for
CIELCh(80, 19.225, 162.459)
contains.

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Color

CIELCh(80, 19.223, 162.461)

Conversions

Conversions Part 1

Format	Color
Hex	A5D0BB
RGB	165, 208, 187
RGB Percent	65%, 82%, 73%
CMY	0.3530, 0.1844, 0.2668
CMYK	0.21, 0.00, 0.10, 0.18
HSL	151°, 31%, 73%
HSV	151°, 21%, 82%
XYZ	47.0271, 56.6813, 55.4604
YIQ	192.7490, -18.8870, -15.6470

Conversions

Conversions Part 2

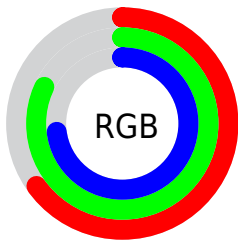
Format	Color
RYB	165, 193, 208
Decimal	10866875
CIELab	80.00, -18.33, 5.79
CIELCh	80, 19.223, 162.461
Yxy	56.6813, 0.2955, 0.3561
Android (android.graphics.Color)	4289056955 (0xFFA5D0BB)
YUV	192.7490, -2.8343, -24.3359
Hunter-Lab	75.2870, -20.2543, 9.0247

Details

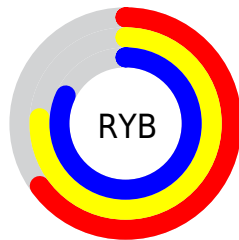
The CIELCh color **80, 19.223, 162.461** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **72, 19.757, 346.110**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 13.326, 171.191**, and **60, 19.600, 162.495** is the 20% darker color. If you saturate the color by 10%, you get **79, 28.337, 161.405**, and if you desaturate by 10%, it is **82, 9.946, 163.418**.

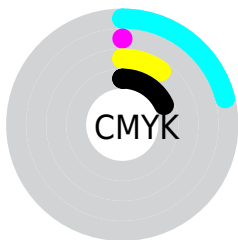
Distribution



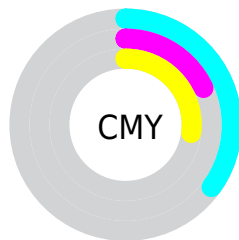
- Red (65%)
- Green (82%)
- Blue (73%)



- Red (65%)
- Yellow (76%)
- Blue (82%)



- Cyan (21%)
- Magenta (0%)
- Yellow (10%)
- Black (18%)





- Cyan (35%)
- Magenta (18%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 19.223, 162.461 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 80, 19.223, 162.461 by changing the saturation by 10% instead.


 80, 19.223,
162.461


 80, 19.223,
162.461


 100, 19.223,
162.461


 70, 19.223,
162.461


 60, 19.223,
162.461

 50, 19.223,
162.461

 40, 19.223,
162.461

 30, 19.223,
162.461

 20, 19.223,
162.461

 10, 19.223,

162.461

■ 0, 19.223, 162.461

■ 80, 19.223,
162.461

■ 80, 19.223,
162.461

■ 79, 28.337,
161.405

■ 82, 9.946, 163.418

■ 77, 37.140,
160.225

■ 83, 0.623, 164.902

■ 85, 8.645, 344.949

■ 76, 45.476,
158.892

■ 87, 17.785,
345.684

■ 75, 53.190,
157.383

■ 88, 22.858,
338.498

■ 75, 60.146,
155.674

■ 89, 26.589,
329.974

■ 74, 66.257,
153.753

■ 89, 29.481,
325.451

■ 74, 71.503,
151.624

■ 74, 75.752,
149.536

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



80, 19.223, 162.461



72, 19.757, 346.110

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80, 19.223, 162.461



80, 19.223, 212.461



80, 19.223, 342.461



80, 19.223, 32.461

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



80, 19.225, 162.459



99, 6.590, 163.852



81, 24.131, 128.130



53, 4.372, 163.788



0, 0.000, 0.000



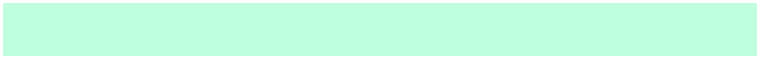
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80, 19.225, 162.459



95, 27.359, 161.986



81, 14.763, 198.364



43, 5.308, 163.536



61, 64.225, 149.908



13, 22.114, 155.345

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



72, 19.757, 346.110



84, 28.284, 346.589



72, 16.913, 20.894



41, 5.379, 345.027



36, 62.010, 2.771



5, 21.698, 354.691

Previews

White Background



This preview shows how the CIELCh color 80, 19.223, 162.461 looks on a white background.

Color Contrast Check

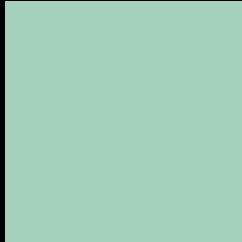
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 80, 19.223, 162.461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

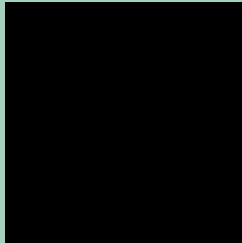
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

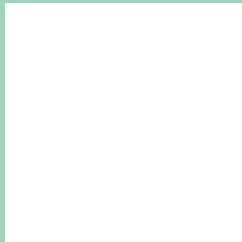
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 19.223, 162.461

Background



This preview shows how black text looks on a background with the CIELCh color 80, 19.223, 162.461.



This preview shows how white text looks on a background with the CIELCh color 80, 19.223, 162.461.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

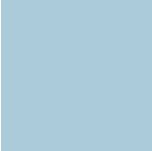
Dichromacy



Original Color
80, 19.223, 162.461

Protanopia
80, 9.010, 89.645

Deuteranopia
80, 10.996, 22.983



Tritanopia
80, 13.549, 237.994

Trichromacy



Original Color
80, 19.223, 162.461

Protanomaly
80, 10.437, 132.493

Deuteranomaly
80, 4.383, 94.977

Tritanomaly
80, 12.475, 203.464

Monochromacy



Original Color
80, 19.223, 162.461

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 6.675, 164.908

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 19.223, 162.461 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(165, 208, 187)` looks like.

```
.text, #text, p{  
    color:rgb(165, 208, 187)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(165, 208, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 208, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 19.223, 162.461 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 208, 187) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(165, 208, 187) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(165, 208, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 208, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 208, 187); box-shadow:4px 4px 4px 4px rgb(165, 208, 187) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 19.223, 162.461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 208, 187) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(165,  
208, 187) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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